

# INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/G82004/003393

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K31/517 C07D401/12 C07D403/12 A61P9/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/32651 A (HENNEQUIN LAURENT FRANCOIS AND ; THOMAS ANDREW PETER (GB); ASTRAZENECA) 10 May 2001 (2001-05-10) claims	1-18
X	WO 01/77085 A (HENNEQUIN LAURENT FRANCOIS AND ; ASTRAZENECA UK LTD (GB); STOKES ELAIN) 18 October 2001 (2001-10-18) claims	1-18
X	WO 00/47212 A (PLE PATRICK ; HENNEQUIN LAURENT FRANCOIS AND (FR); ZENECA PHARMA SA (F) 17 August 2000 (2000-08-17) claims	1-18
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

19 November 2004

Date of mailing of the international search report

02/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bérillon, L

# INTERNATIONAL SEARCH REPORT

Internat Application No  
PCT/GB2004/003393

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/21955 A (PASQUET GEORGES ; HENNEQUIN LAURENT FRANCOIS AND (FR); ZENECA PHARMA S) 20 April 2000 (2000-04-20) claims -----	1-18
X	WO 98/13354 A (LOHMANN JEAN JACQUES MARCEL ; HENNEQUIN LAURENT FRANCOIS AND (FR); ZEN) 2 April 1998 (1998-04-02) claims -----	1-18
X	WO 97/32856 A (ZENECA LTD ; ZENECA PHARMA SA (FR); THOMAS ANDREW PETER (GB); HENNEQUI) 12 September 1997 (1997-09-12) claims -----	1-18
X	WO 97/30035 A (ZENECA LTD ; ZENECA PHARMA SA (FR); THOMAS ANDREW PETER (GB); JOHNSTON) 21 August 1997 (1997-08-21) claims -----	1-18
X	WO 97/22596 A (ZENECA LTD ; ZENECA PHARMA SA (FR); LOHMANN JEAN JACQUES MARCEL (FR);) 26 June 1997 (1997-06-26) claims -----	1-18

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/003393

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 18  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claim 18 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat Application No  
PCT/GB2004/003393

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0132651	A	10-05-2001	AU 769222 B2	22-01-2004
			AU 1288601 A	14-05-2001
			BG 106659 A	31-03-2003
			BR 0015203 A	16-07-2002
			CA 2389767 A1	10-05-2001
			CN 1387527 T	25-12-2002
			CZ 20021526 A3	17-07-2002
			EE 200200237 A	16-06-2003
			EP 1244647 A1	02-10-2002
			WO 0132651 A1	10-05-2001
			HU 0203453 A2	28-05-2003
			JP 3522727 B2	26-04-2004
			JP 2003513089 T	08-04-2003
			NO 20022139 A	03-05-2002
			NZ 518028 A	26-03-2004
			PL 355942 A1	31-05-2004
			SK 6122002 A3	09-01-2003
			ZA 200202775 A	03-12-2003
WO 0177085	A	18-10-2001	AU 4850701 A	23-10-2001
			BR 0109828 A	17-12-2002
			CA 2403365 A1	18-10-2001
			CN 1433405 T	30-07-2003
			EP 1274692 A1	15-01-2003
			WO 0177085 A1	18-10-2001
			JP 2003530387 T	14-10-2003
			MX PA02009891 A	27-03-2003
			NO 20024763 A	19-11-2002
			NZ 521421 A	24-09-2004
			US 2003191308 A1	09-10-2003
			ZA 200207382 A	15-12-2003
WO 0047212	A	17-08-2000	AU 763618 B2	31-07-2003
			AU 2447500 A	29-08-2000
			BR 0008128 A	13-02-2002
			CA 2362715 A1	17-08-2000
			CN 1346271 T	24-04-2002
			CZ 20012889 A3	14-11-2001
			EE 200100409 A	16-12-2002
			EP 1154774 A1	21-11-2001
			WO 0047212 A1	17-08-2000
			HU 0104964 A2	29-04-2002
			ID 30552 A	20-12-2001
			JP 2002536414 T	29-10-2002
			NO 20013882 A	09-10-2001
			NZ 513204 A	30-04-2004
			PL 350565 A1	16-12-2002
			SK 11402001 A3	07-01-2002
			TR 200102314 T2	21-01-2002
			ZA 200106340 A	01-11-2002
WO 0021955	A	20-04-2000	AU 756556 B2	16-01-2003
			AU 6112899 A	01-05-2000
			BR 9914326 A	26-06-2001
			CA 2344290 A1	20-04-2000
			CN 1322202 T	14-11-2001
			EP 1119567 A1	01-08-2001
			WO 0021955 A1	20-04-2000

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern Application No  
PCT/GB2004/003393

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0021955	A		JP 2002527436 T NO 20011739 A NZ 510434 A ZA 200102655 A	27-08-2002 07-06-2001 31-10-2003 30-09-2002
WO 9813354	A	02-04-1998	AT 228114 T AU 729968 B2 AU 4561397 A BR 9711302 A CA 2263319 A1 CN 1231662 A ,C CZ 9901039 A3 DE 69717294 D1 DE 69717294 T2 DK 929530 T3 EP 0929530 A1 ES 2185999 T3 WO 9813354 A1 HK 1019332 A1 IL 129038 A JP 3438818 B2 JP 2001500891 T JP 2003238539 A JP 2004002406 A KR 2000048572 A NO 991422 A NZ 334014 A PL 332385 A1 PT 929530 T RU 2198879 C2 SI 929530 T1 SK 38999 A3 TR 9900674 T2 TW 520364 B US 2002173646 A1 US 6414148 B1 ZA 9708553 A HU 9902850 A2	15-12-2002 15-02-2001 17-04-1998 17-08-1999 02-04-1998 13-10-1999 16-06-1999 02-01-2003 04-09-2003 24-02-2003 21-07-1999 01-05-2003 02-04-1998 05-09-2003 10-11-2002 18-08-2003 23-01-2001 27-08-2003 08-01-2004 25-07-2000 24-03-1999 27-10-2000 13-09-1999 31-03-2003 20-02-2003 30-04-2003 08-10-1999 21-07-1999 11-02-2003 21-11-2002 02-07-2002 25-03-1998 28-04-2000
WO 9732856	A	12-09-1997	AT 211134 T AU 719327 B2 AU 1866497 A CA 2244897 A1 CN 1212684 A ,B DE 69709319 D1 DE 69709319 T2 DK 885198 T3 EP 0885198 A1 ES 2169355 T3 WO 9732856 A1 IL 125954 A JP 2000517291 T NO 984085 A NZ 331191 A PT 885198 T TW 542826 B US 6291455 B1 ZA 9701747 A	15-01-2002 04-05-2000 22-09-1997 12-09-1997 31-03-1999 31-01-2002 14-08-2002 25-03-2002 23-12-1998 01-07-2002 12-09-1997 24-06-2003 26-12-2000 04-09-1998 27-03-2000 28-06-2002 21-07-2003 18-09-2001 27-08-1998

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern Application No  
PCT/GB2004/003393

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9730035	A	21-08-1997	AT 237596 T 15-05-2003
			AU 719434 B2 11-05-2000
			AU 1729097 A 02-09-1997
			BR 9707495 A 27-07-1999
			CA 2242425 A1 21-08-1997
			CN 1211239 A ,B 17-03-1999
			CZ 9802535 A3 11-11-1998
			DE 69720965 D1 22-05-2003
			DE 69720965 T2 05-02-2004
			DK 880508 T3 30-06-2003
			EP 0880508 A1 02-12-1998
			ES 2194181 T3 16-11-2003
			WO 9730035 A1 21-08-1997
			HK 1016607 A1 26-09-2003
			HU 9901155 A2 28-07-1999
			IL 125686 A 10-11-2002
			JP 2000504714 T 18-04-2000
			NO 983687 A 13-08-1998
			NZ 330868 A 28-01-2000
			PL 328310 A1 18-01-1999
			PT 880508 T 31-07-2003
			SI 880508 T1 31-10-2003
			SK 108798 A3 11-01-1999
			TR 9801530 T2 23-11-1998
			TW 581765 B 01-04-2004
			US 6184225 B1 06-02-2001
			ZA 9701180 A 13-08-1997
			RU 2196137 C2 10-01-2003
WO 9722596	A	26-06-1997	AT 203524 T 15-08-2001
			AU 712370 B2 04-11-1999
			AU 1106197 A 14-07-1997
			BR 9612043 A 28-12-1999
			CA 2237005 A1 26-06-1997
			CN 1205694 A ,B 20-01-1999
			CZ 9801882 A3 16-09-1998
			DE 69614147 D1 30-08-2001
			DE 69614147 T2 21-03-2002
			DK 873319 T3 22-10-2001
			EP 0873319 A1 28-10-1998
			ES 2162656 T3 01-01-2002
			WO 9722596 A1 26-06-1997
			GR 3036954 T3 31-01-2002
			HU 9901243 A2 30-08-1999
			JP 2000515114 T 14-11-2000
			NO 982784 A 17-08-1998
			NZ 324007 A 29-11-1999
			PL 327310 A1 07-12-1998
			PT 873319 T 30-01-2002
			RU 2194701 C2 20-12-2002
			SI 873319 T1 28-02-2002
			SK 82898 A3 04-11-1998
			TR 9801115 T2 21-08-1998
			TW 411274 B 11-11-2000
			US 6071921 A 06-06-2000
			US 6258951 B1 10-07-2001
			US 5962458 A 05-10-1999
			US 2002032208 A1 14-03-2002

# INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat

Application No

PCT/GB2004/003393

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
W0 9722596	A	ZA 9610597 A	18-06-1997